

plss

Location: property\plss

Description

This layer consists of Public Land Survey System (PLSS) section lines for Bay County. The coverage consists of arc, polygon and region features. The shapefile **plss.shp** consists of polygons only. The shapefile **plss_ln.shp** consists of arcs only.

For township labelling, use **plss_pt.shp** or **townships.shp**.

For township lines extending across bays, use **firezones_ln.shp**.

Coordinate system: State Plane, Florida North Zone, Datum NAD83, feet (see .prj file)

Source

In June 1998, Bay County GIS staff downloaded PLSS ArcInfo interchange files by quad from the Florida Dept of Environmental Protection (FDEP) web site. The metadata for the PLSS coverages from the FDEP site is at the bottom of this document. The 21 quads that make up Bay County were imported into ArcInfo, projected from Albers to Stateplane (Zone 3576, NAD83, Feet), and then mapjoined to create one seamless coverage of Bay County.

In 1999 and/or 2000, Bay County GIS renamed items **minor1, major2 – minor3**. Items **major1, major4, minor4, major5, minor5, major6, minor6, major7, and minor7** were dropped from the cover, the values for these items were all the same, 9999. In addition, Bay County GIS staff created items **s-t-r, tr, and type**.

In Aug 2002, Bay County GIS added 2 missing section lines in NW Bay County near Choctawhatchee River and deleted many extra labels.

(A general 8-page tutorial on PLSS descriptions can be found at <http://www.dnr.state.wi.us/org/land/forestry/Private/PLSSTut/plsstut1.htm>)

Part of **plss** shoreline in West Bay is actually edge of marsh or seagrass out in bay, after compared with **water** coverage and aerial photos.

This data is provided with the understanding that the conclusions drawn from such information are solely the responsibilities of the user. The GIS data is not a legal representation of the features depicted, and any assumption of the legal status of this data is hereby disclaimed. Errors or omissions should be reported to the Bay County GIS Division 850-784-6171.

Polygon Attribute Table Structure

Item Name	Width	Output	Type
section_	6	6	integer
t	6	6	char
t_	6	6	integer
r	6	6	char
r_	6	6	integer
s_t_r	20	20	char
tr	7	7	char
t_r	8	8	char

Arc Attribute Table Structure

Item Name	Width	Output	Type
type	10	10	char

Region (tr) Attribute Table Structure

Item Name	Width	Output	Type
tnshp-rnge	10	10	char

Polygon Attributes

section_

Section number: 1 - 36 (fka minor1) e.g. 34

t

Township North or South: N or S (fka major2) e.g. N

t_

Township number: 1 - 6 (fka minor2) e.g. 2

r

Range West: W (fka major3) e.g. W

r_

Range number: 12 - 17 (fka minor3) e.g. 12

s_t_r

Section, township, and range numbers, all in the same field e.g. S34-T2N-R12W

tr

Township and range number e.g. 2N 12W

t_r

Township and range number, in T-R format e.g. T2N-R12W

Arc Attributes

type

Line type: Shore, Township, or Section

Region (tr) Attributes

tnshp-rnge

Township and range number e.g. 2N 12W

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION LINEAGE REPORT

DATA LAYER NAME : plss-24
DESCRIPTION : Coverages of dlg public land survey
TYPE : Network
SCALE : 1 : 24,000
DATUM : HPGN
PROJECTION : Albers Equal Area Conic
MAP UNITS : meters
GENERAL AREA COVERED : Statewide
REPORT PREPARED BY : Marc Cooper
DATE OF PREPARATION : 11/25/94 (mod. 11/04/96 by Rachel Hough)

PROVIDING ORGANIZATION

AGENCY : Florida Department of Environmental Protection
CONTACT PERSON : Guy Browning
TITLE : Systems Project Administrator
PHONE NUMBER : 904/488-0892
AGENCY DATA NAME : plss-24

LINEAGE

DESCRIPTION OF SOURCE MATERIAL(S)

SOURCE TITLE : 7 1/2" USGS Quadrangle maps
SCALE : 1 : 24,000
DATUM : NAD1927
MAP PROJECTION : Lambert Cnfrml. Conic, Trnsvrs. Mrctr., Polyconic
MEDIA OF SOURCE : Mylar
CONDITION OF MEDIA : High quality
DATE OF SOURCE MATERIAL : various
UPDATE SCHEDULE : na

CREATOR OF SOURCE OR DATA LAYER

AGENCY/ORGANIZATION : USGS
PHONE NUMBER : 800/USA-MAPS

FORMAT OF DIGITAL FILE : Digital Line Graph
CONTROL POINTS -

NAME OF COORDINATE SYSTEM USED : USGS Albers
LIST REGISTRATION POINTS : too many to list

EXPLANATION OF PROCEDURES USED TO TRANSFORM THE DATA

(verbal description, algorithms, projection, commands, etc., as needed)

The network coverages of public land survey information for each 1:24,000 dlg coverage for the state of Florida were converted to ARC/INFO coverages then mapjoined, cleaned, and built into individual coverages. The coverages were projected to Albers Equal Area projection using ARC/INFO 7.0.3 for the DEC/Alpha. The coverages were inserted tile by tile into the plss_quad library. In Spring '97, the data was converted from NAD27 to HPGN using the projection command within Arc/INFO version 7.0.4.

ATTRIBUTE DESCRIPTION :

The data comes from USGS dlg polygon, line, and point attributes for the public land survey system with a major codes of 300 to 309. For further description, see the attribute code descriptions at the end of this document. The information is from the "Digital line graphs from 1:24,000-scale maps" published by the User Services Branch, National Cartographic Information Center, USGS.

Polygon attribute items:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC	ALTERNATE NAME	INDEXED?
1	AREA	8	18	F	5		-
9	PERIMETER	8	18	F	5		-
17	PLS_24_DLG-NT#	4	5	B	-		-
21	PLS_24_DLG-NT-ID	4	5	B	-		-
25	MAJOR1	6	6	I	-		-
31	MINOR1	6	6	I	-		-
37	MAJOR2	6	6	C	-		-
43	MINOR2	6	6	I	-		-
49	MAJOR3	6	6	C	-		-
55	MINOR3	6	6	I	-		-
61	MAJOR4	6	6	I	-		-
67	MINOR4	6	6	I	-		-
73	MAJOR5	6	6	I	-		-
79	MINOR5	6	6	I	-		-
85	MAJOR6	6	6	I	-		-
91	MINOR6	6	6	I	-		-
97	MAJOR7	6	6	I	-		-
103	MINOR7	6	6	I	-		-

Line attribute items :

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC	ALTERNATE NAME	INDEXED?
1	FNODE#	4	5	B	-		-
5	TNODE#	4	5	B	-		-
9	LPOLY#	4	5	B	-		-
13	RPOLY#	4	5	B	-		-
17	LENGTH	8	18	F	5		-
25	PLS_24_DLG-NT#	4	5	B	-		-
29	PLS_24_DLG-NT-ID	4	5	B	-		-
33	MAJOR1	6	6	I	-		-
39	MINOR1	6	6	I	-		-
45	MAJOR2	6	6	I	-		-
51	MINOR2	6	6	I	-		-
57	MAJOR3	6	6	I	-		-
63	MINOR3	6	6	I	-		-
69	MAJOR4	6	6	I	-		-
75	MINOR4	6	6	I	-		-
81	MAJOR5	6	6	I	-		-
87	MINOR5	6	6	I	-		-
93	MAJOR6	6	6	I	-		-
99	MINOR6	6	6	I	-		-
105	MAJOR7	6	6	I	-		-
111	MINOR7	6	6	I	-		-

LIMITATIONS OF THE DATA / WARNINGS TO THE USER :

MAJOR MINOR		
TYPE OF CODE	CODE	DESCRIPTION

Feature identification		Nodes
300	0001	U.S. Public Land Survey System section corner
	0002	Point on section line (no corner)
	0003	Closing corner
	0004	Meander corner
	0005	Auxiliary meander corner
	0006	Special meander corner
	0007	Witness corner
	0008	Witness point
	0009	Angle point
	0010	Location monument (includes amended monument and mineral monument)
	0011	Reference mark
	0012	Quarter-section corner
	0013	Tract corner
	0014	Land grant corner
	0015	Arbitrary section corner
	Nodes (identification procedures)	
300	0040	Corner identified in field
	0041	Corner with horizontal coordinates
	0042	Corner with elevation value
Parameters		Areas
		Select one parameter code from each of the following A, B, C, and D lists and/or consult list E.
		A. Origin of Survey
306	00--	Insert two-digit code from Appendix K.
		B. Township number(s)
30-	----	Insert 2 for north of the baseline or 3 for south of the baseline in first space. In the second space, insert a 0 for full township, 2 for 1/4 township, 4 for 1/2 township, or 6 for 3/4 township. Insert township number in the last three spaces, right justified.
		C. Range number(s)
30-	----	Insert 4 for east of the

principal meridian or 5 for west of the principal meridian in the first space. In the second space, insert a 0 for a full range, 2 for 1/4 range, 4 for 1/2 range, 6 for 3/4 range, 8 for duplicate to the north or east of the original township, or 9 for triplicate to the north or east of the original township. Insert range number in last three spaces, right justified.

D. Section number

301 ---- In the first space, insert 0 for numeric section identifier, 1 for numeric portion of alphanumeric identifier, or 2 for alphabetic part of alphanumeric identifier. In the last three spaces, insert section number or numeric representation of alphabetic character (01-26), right justified.

E. Land grant identifier

307 ---- In the first space, insert the appropriate number:

- 0 for numeric grant identifier
- 1 for numeric portion of alphanumeric identifier
- 2 for alphabetic portion of alphanumeric identifier
- 3 for alphabetic identifier
- 4 for identifier of named grant in Arizona
- 5 for identifier of named grant in California
- 6 for identifier of named grant in Colorado
- 7 for identifier of named grant in New Mexico

In the last three spaces after 0-3 above, insert the grant number or numeric representation of the alphabetic character (01-26), right-justified. In the last three spaces after 4-7 above, insert the three-digit code of the named grant as designated in Appendix L.

F. Excluded areas

300 0100 Indian lands
0101 Homestead entries

- 0102 Donation land claims
- 0103 Land grants; civil colonies
- 0104 Private extension of public land
survey
- 0105 Area of public and private
survey overlap
- 0106 Overlapping land grants
- 0107 Military reservation
- 0198 Water
- 0199 Unsurveyed area

Lines

- 300 0201 Approximate position
(within 200 feet)
- 0202 Protracted position
- 0203 Arbitrary closure line
- 0204 Base line
- 0205 Claim line, grant line

Points (degenerate lines)

- 300 0300 Location monument
- 0301 Isolated found section corner
- 0302 Witness corner
(off surveyed line)

Parameter

Multiple element types

- 308 0000 Best estimate of classification and/or
position
- 309 00-- Coincident feature or symbol